

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080324\
 Data File : BN033216.D
 Acq On : 03 Aug 2024 00:02
 Operator : MA/JU
 Sample : P3415-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MLS-15-70-85

Quant Time: Aug 03 01:11:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 02 22:49:47 2024
 Response via : Initial Calibration

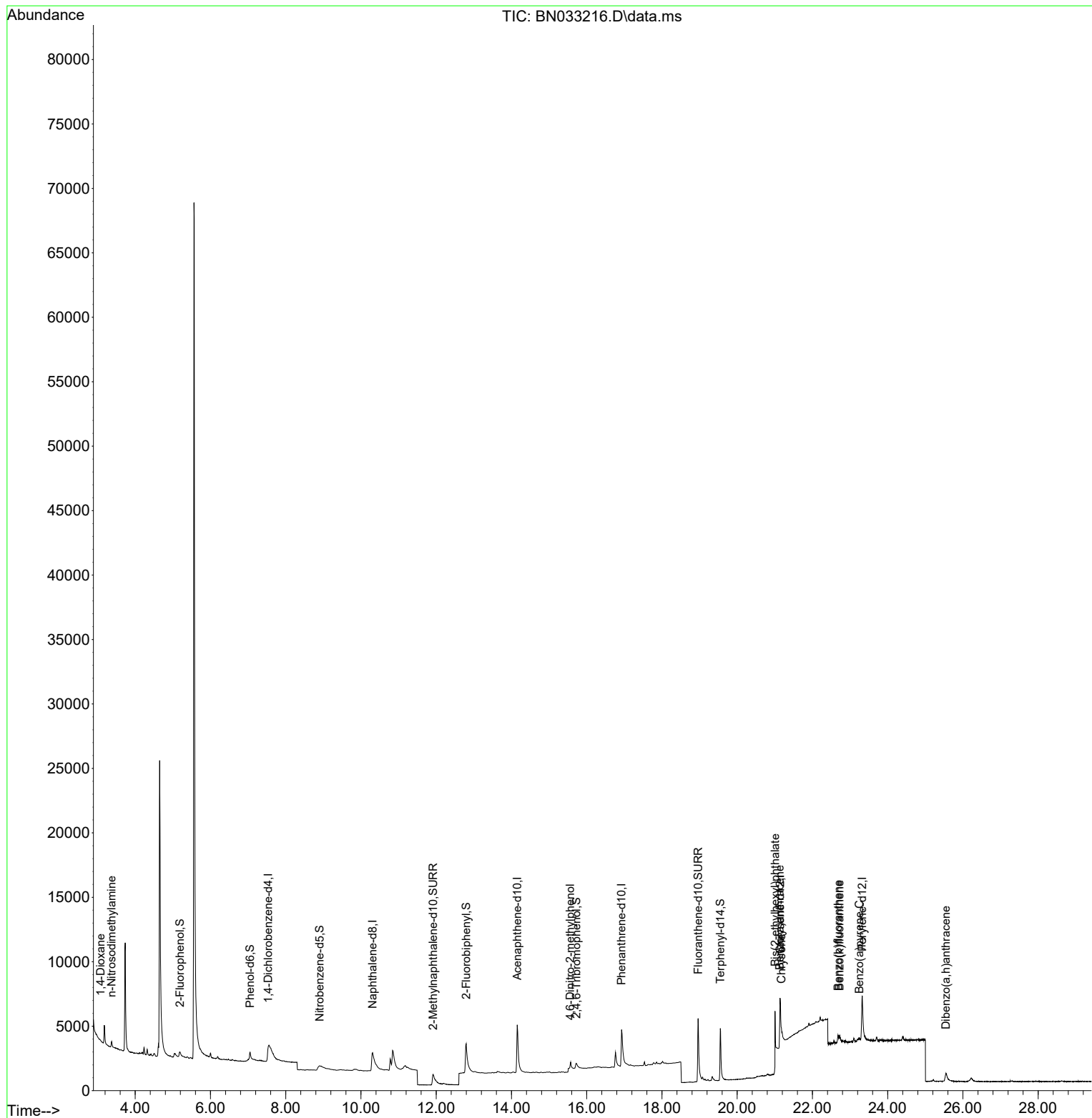
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.532	152	1961	0.400	ng	# 0.03
7) Naphthalene-d8	10.308	136	6638	0.400	ng	# 0.02
13) Acenaphthene-d10	14.154	164	4004	0.400	ng	0.02
19) Phenanthrene-d10	16.927	188	8103	0.400	ng	# 0.00
29) Chrysene-d12	21.140	240	6009	0.400	ng	0.00
35) Perylene-d12	23.324	264	6853	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1206	0.243	ng	-0.06
5) Phenol-d6	7.055	99	562	0.091	ng	0.17
8) Nitrobenzene-d5	8.899	82	1741	0.348	ng	0.09
11) 2-Methylnaphthalene-d10	11.916	152	3483	0.343	ng	0.02
14) 2,4,6-Tribromophenol	15.723	330	502	0.293	ng	0.00
15) 2-Fluorobiphenyl	12.797	172	5514	0.370	ng	0.00
27) Fluoranthene-d10	18.962	212	8201	0.391	ng	0.00
31) Terphenyl-d14	19.552	244	6493	0.527	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.076	88	76	0.031	ng	# 62
3) n-Nitrosodimethylamine	3.372	42	52	0.025	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.562	198	2	0.294	ng	# 1
32) Benzo(a)anthracene	21.131	228	537	0.028	ng	# 61
33) Chrysene	21.176	228	885	0.039	ng	# 72
34) Bis(2-ethylhexyl)phtha...	21.006	149	4708	0.448	ng	# 84
37) Benzo(b)fluoranthene	22.678	252	831	0.035	ng	# 1
38) Benzo(k)fluoranthene	22.722	252	1010	0.037	ng	# 1
39) Benzo(a)pyrene	23.248	252	560	0.026	ng	# 1
40) Dibenzo(a,h)anthracene	25.546	278	751	0.035	ng	# 1

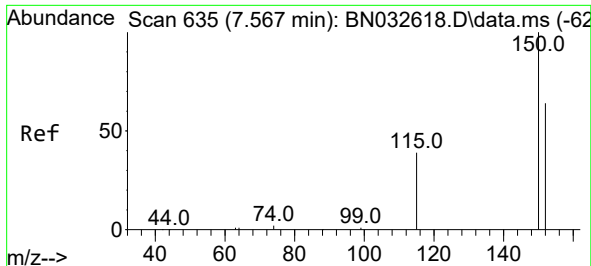
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 02 22:49:47 2024
Response via : Initial Calibration

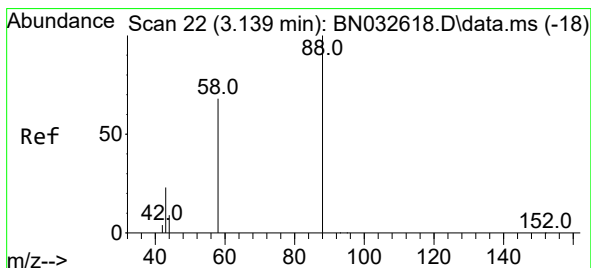
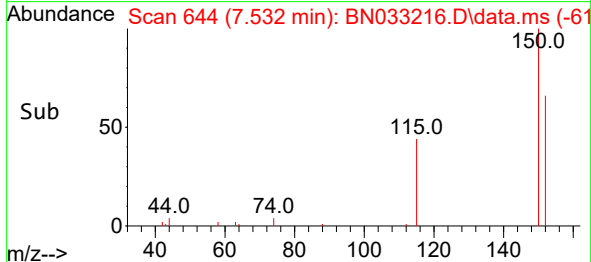
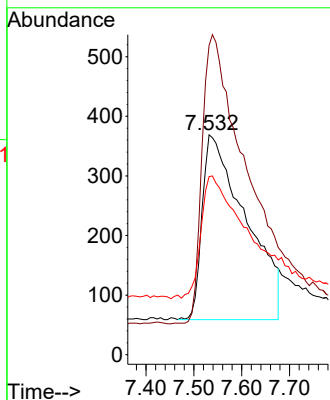
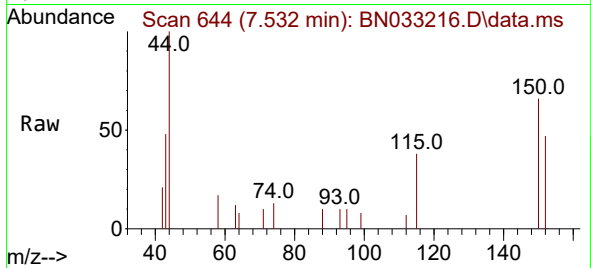




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.532 min Scan# 64
 Delta R.T. 0.029 min
 Lab File: BN033216.D
 Acq: 03 Aug 2024 00:02

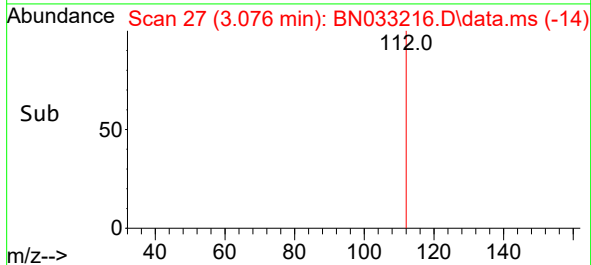
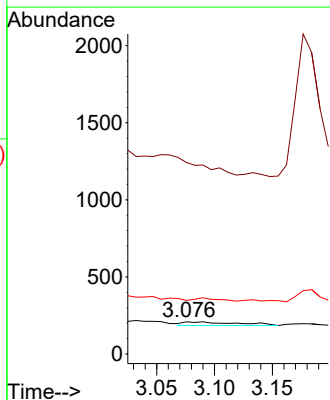
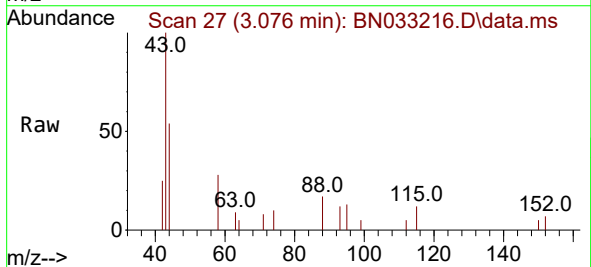
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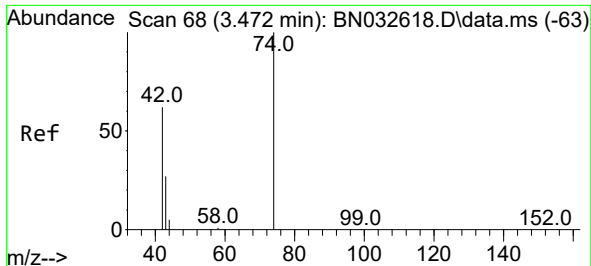
Tgt Ion:152 Resp: 1961
 Ion Ratio Lower Upper
 152 100
 150 140.7 123.8 185.6
 115 81.0 52.8 79.2#



#2
 1,4-Dioxane
 Concen: 0.031 ng
 RT: 3.076 min Scan# 27
 Delta R.T. -0.007 min
 Lab File: BN033216.D
 Acq: 03 Aug 2024 00:02

Tgt Ion: 88 Resp: 76
 Ion Ratio Lower Upper
 88 100
 43 0.0 18.4 27.6#
 58 35.5 49.2 73.8#

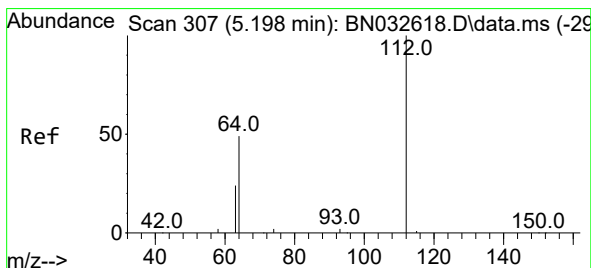
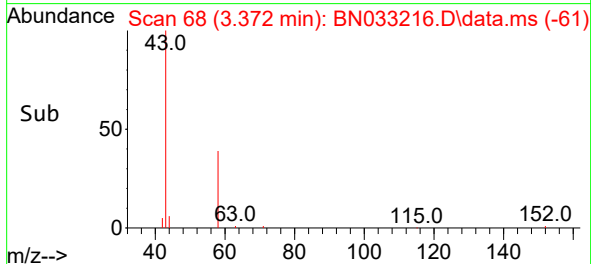
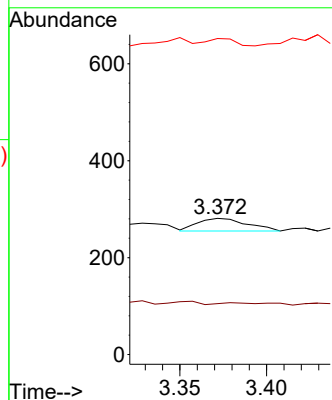
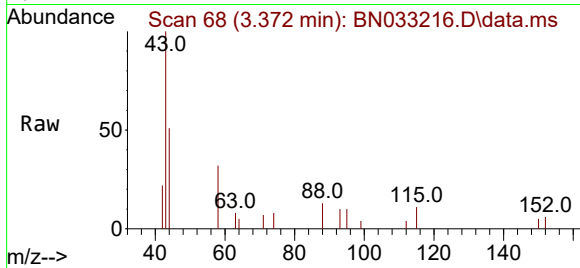




#3
n-Nitrosodimethylamine
Concen: 0.025 ng
RT: 3.372 min Scan# 61
Delta R.T. -0.101 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

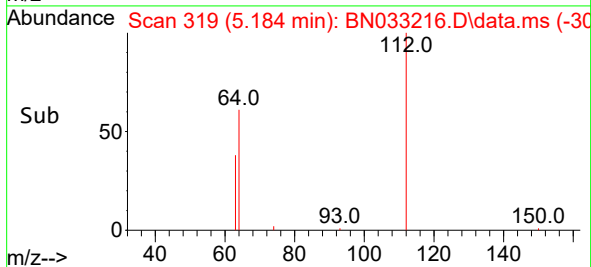
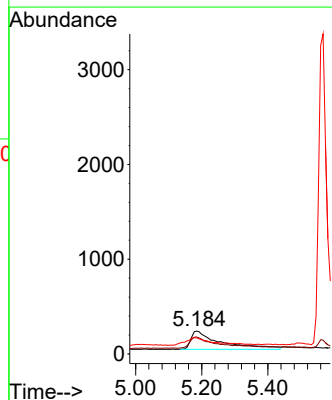
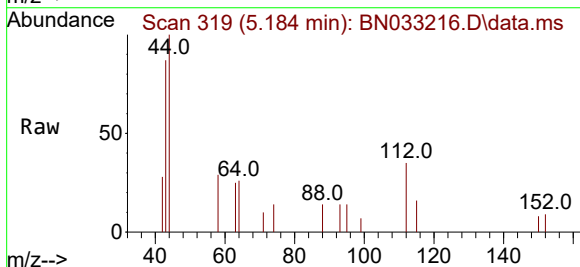
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BNA_N
ClientSampleId :
MLS-15-70-85

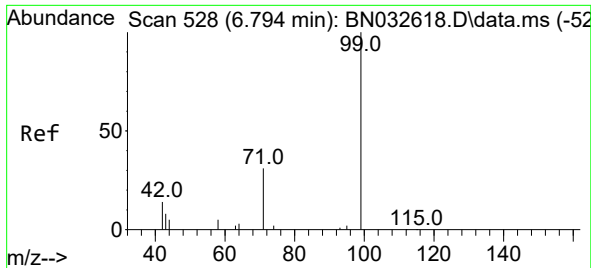
Tgt Ion: 42 Resp: 52
Ion Ratio Lower Upper
42 100
74 17.3 126.9 190.3#
44 25.0 4.8 7.2#



#4
2-Fluorophenol
Concen: 0.243 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.058 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion: 112 Resp: 1206
Ion Ratio Lower Upper
112 100
64 59.0 40.2 60.4
63 21.2 22.2 33.4#

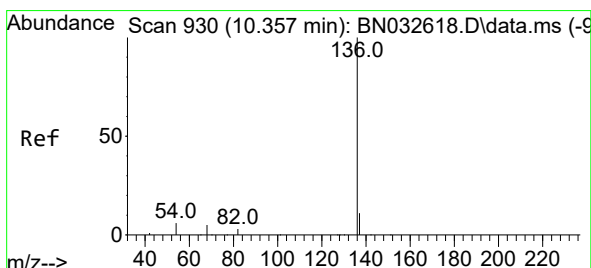
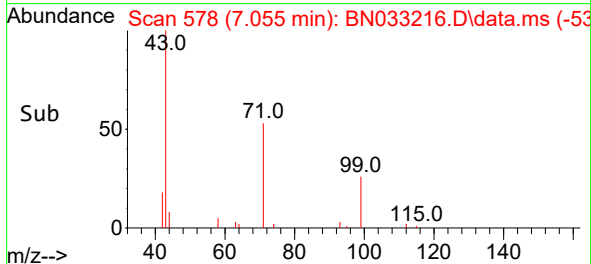
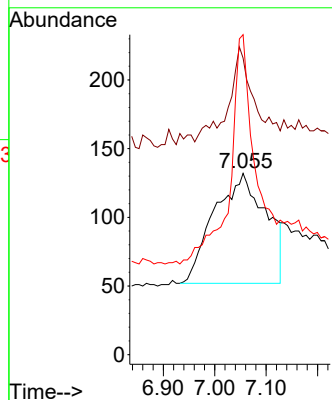
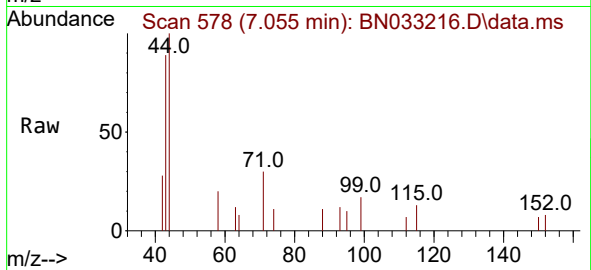




#5
Phenol-d6
Concen: 0.091 ng
RT: 7.055 min Scan# 51
Delta R.T. 0.173 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

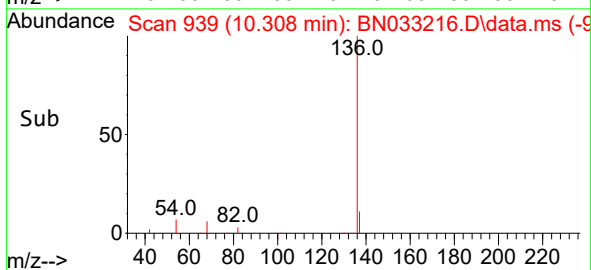
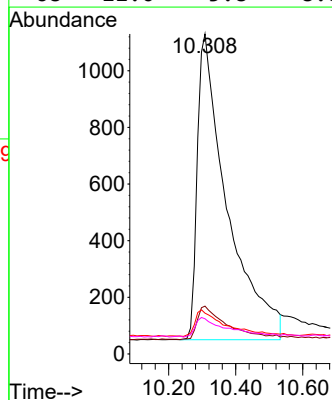
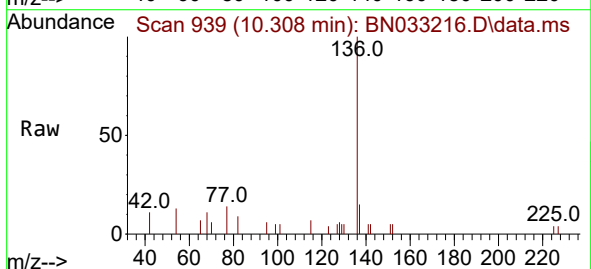
Instrument :
BNA_N
ClientSampleId :
MLS-15-70-85

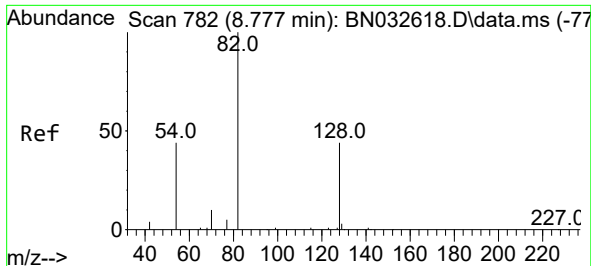
Tgt Ion: 99 Resp: 562
Ion Ratio Lower Upper
99 100
42 24.0 10.5 15.7#
71 101.1 22.3 33.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.308 min Scan# 939
Delta R.T. 0.021 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion: 136 Resp: 6638
Ion Ratio Lower Upper
136 100
137 15.0 9.9 14.9#
54 12.7 6.5 9.7#
68 11.0 5.8 8.8#

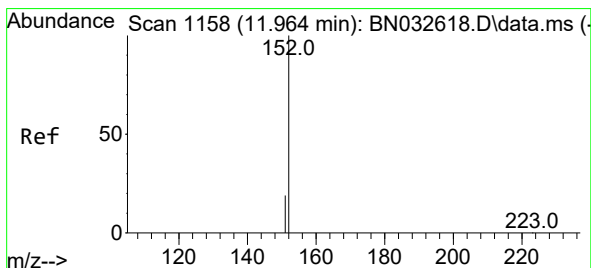
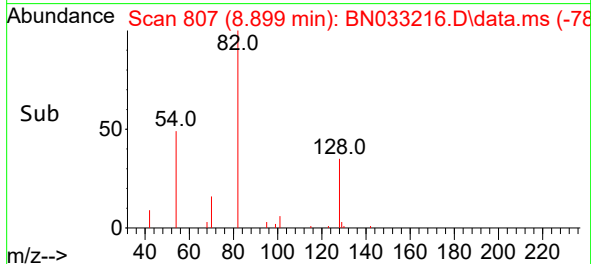
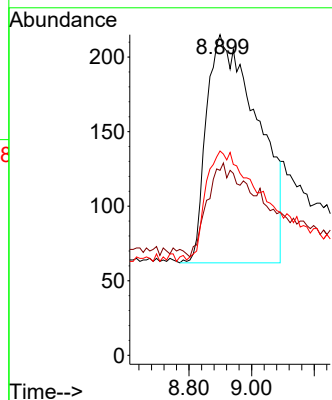
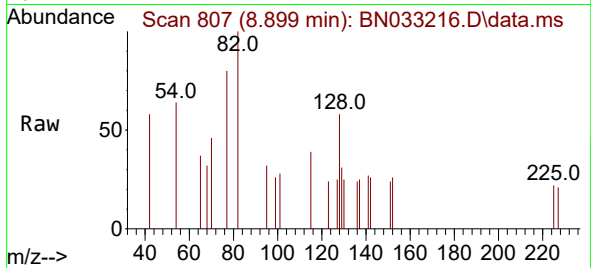




#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.899 min Scan# 80
Delta R.T. 0.086 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

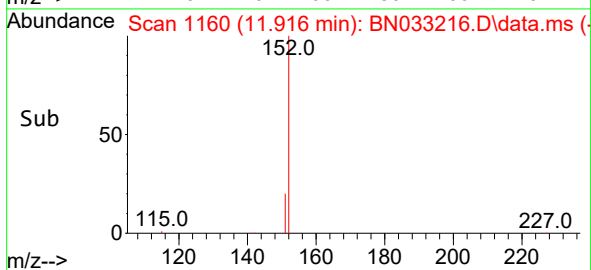
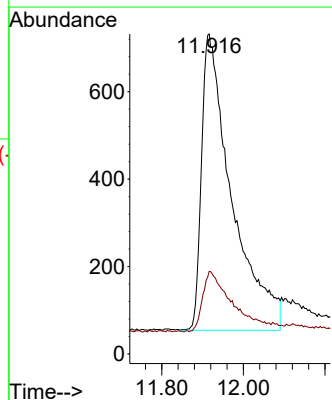
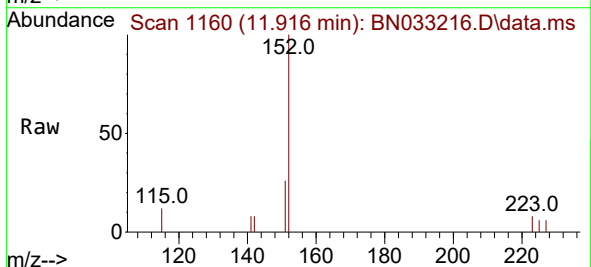
Instrument :
BNA_N
ClientSampleId :
MLS-15-70-85

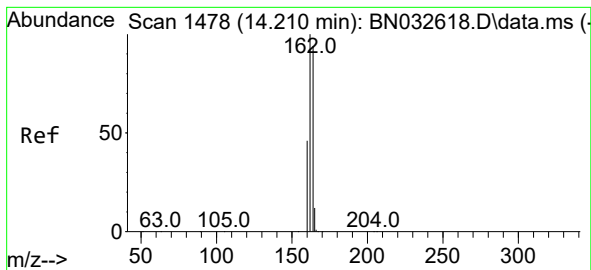
Tgt Ion: 82 Resp: 1741
Ion Ratio Lower Upper
82 100
128 57.7 41.7 62.5
54 63.7 39.5 59.3#



#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 11.916 min Scan# 1160
Delta R.T. 0.015 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion:152 Resp: 3483
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.154 min Scan# 1478

Delta R.T. 0.018 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Instrument :

BNA_N

ClientSampleId :

MLS-15-70-85

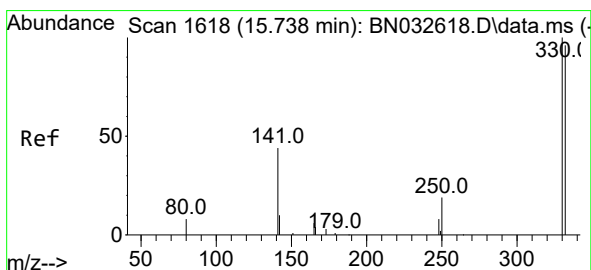
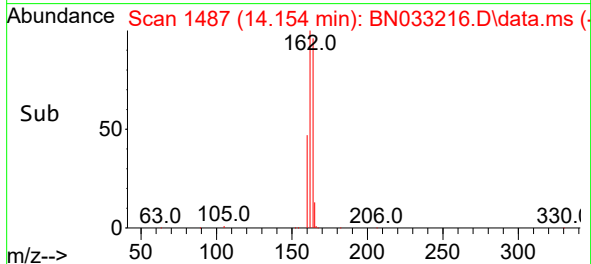
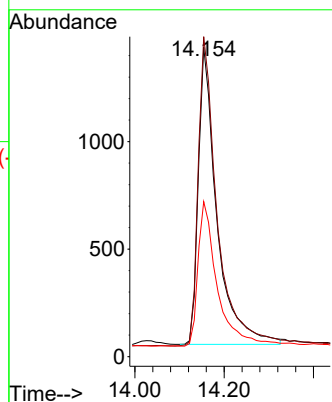
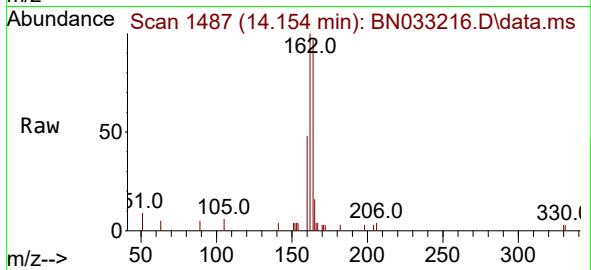
Tgt Ion:164 Resp: 4004

Ion Ratio Lower Upper

164 100

162 103.4 85.0 127.4

160 50.1 39.4 59.2



#14

2,4,6-Tribromophenol

Concen: 0.293 ng

RT: 15.723 min Scan# 1631

Delta R.T. 0.007 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

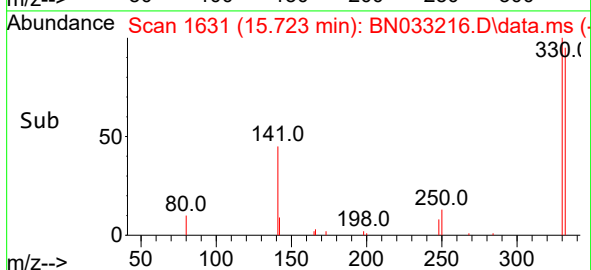
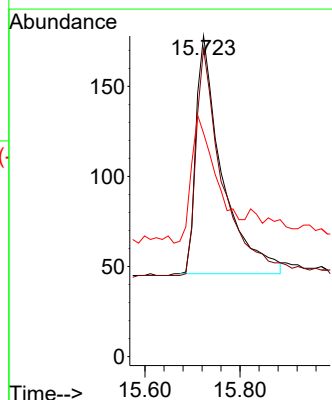
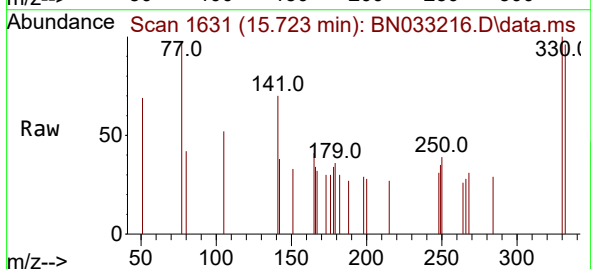
Tgt Ion:330 Resp: 502

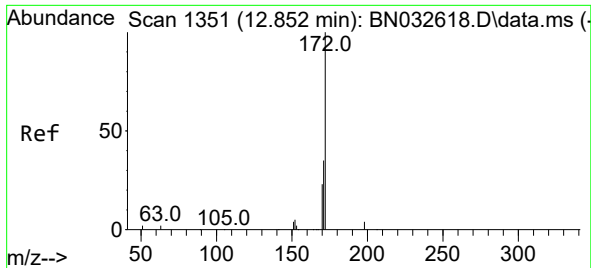
Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.8

141 52.4 34.2 51.2#

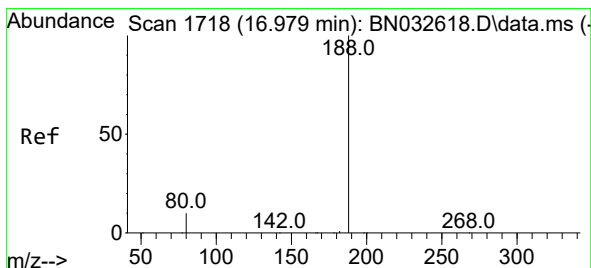
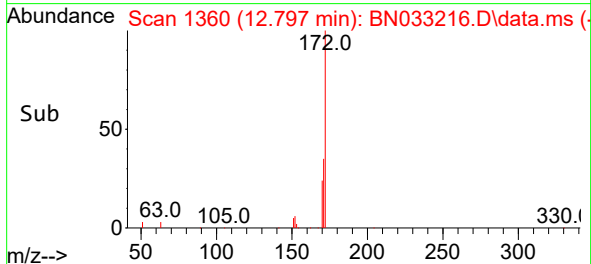
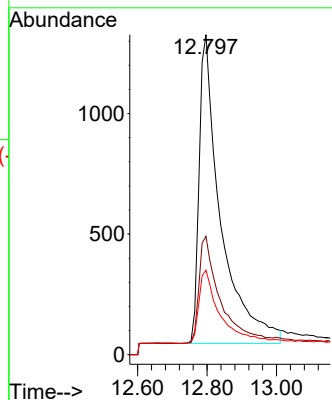
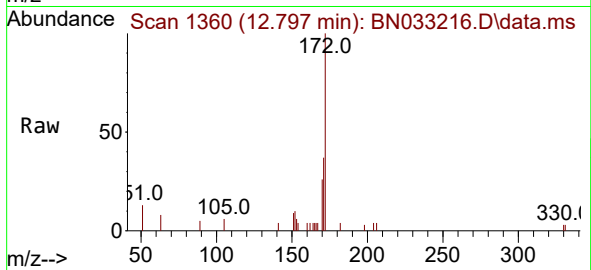




#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.797 min Scan# 11
Delta R.T. 0.007 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

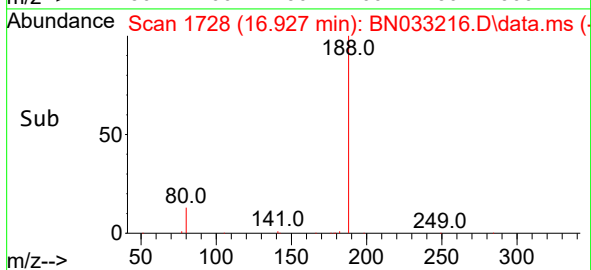
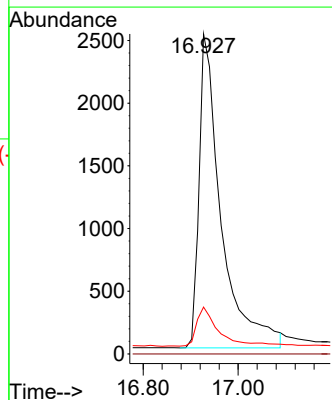
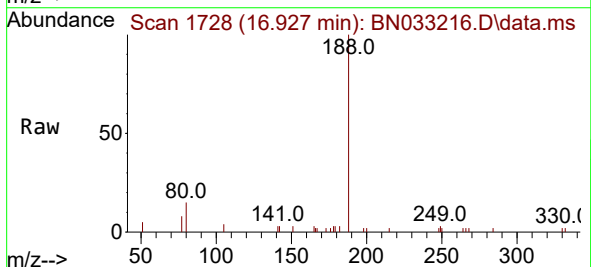
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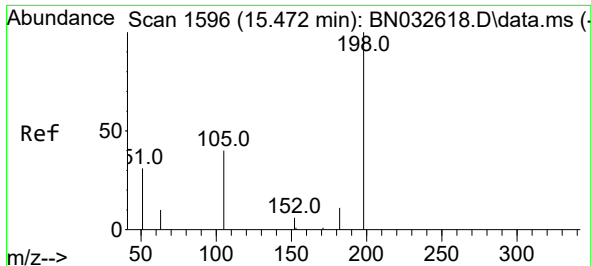
Tgt Ion:	172	Resp:	5514
Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.6	43.0
170	26.4	19.0	28.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.927 min Scan# 1728
Delta R.T. 0.007 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion:	188	Resp:	8103
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.7	8.8	13.2

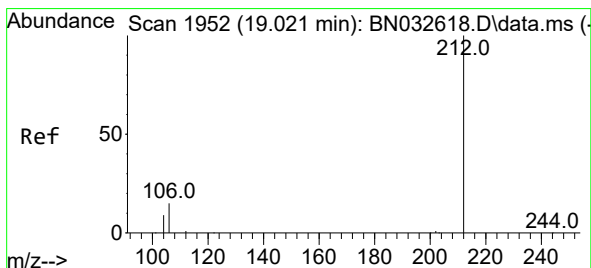
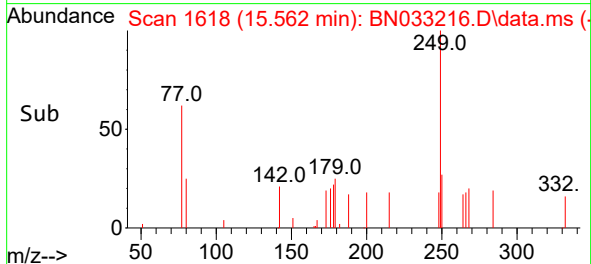
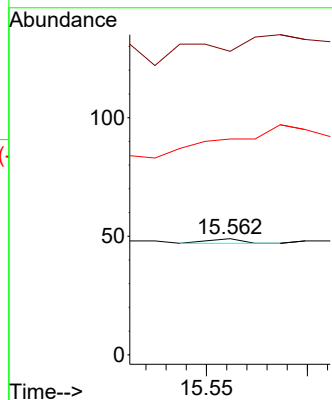
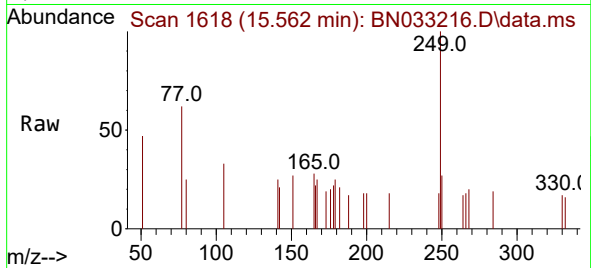




#20
4,6-Dinitro-2-methylphenol
Concen: 0.294 ng
RT: 15.562 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

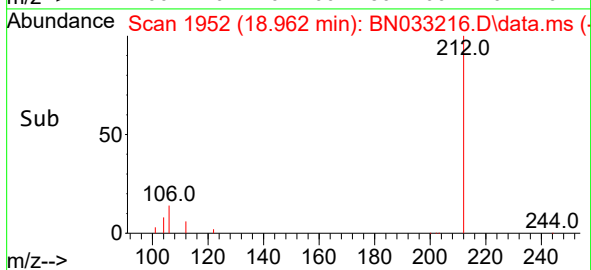
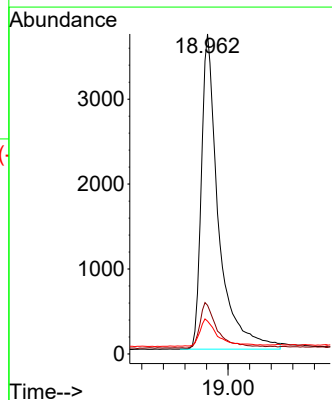
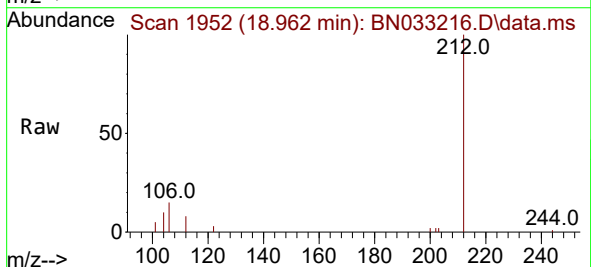
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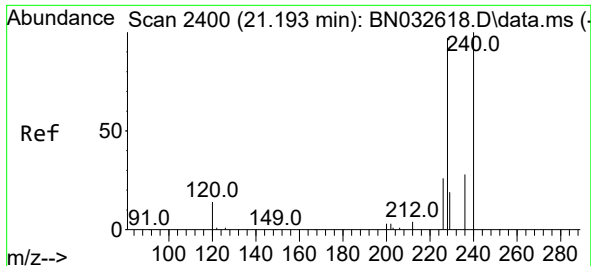
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 261.2 105.7 158.5#
105 185.7 63.0 94.6#



#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 18.962 min Scan# 1952
Delta R.T. 0.002 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion:212 Resp: 8201
Ion Ratio Lower Upper
212 100
106 14.7 11.9 17.9
104 9.1 6.9 10.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.140 min Scan# 2407

Delta R.T. 0.007 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Instrument :

BNA_N

ClientSampleId :

MLS-15-70-85

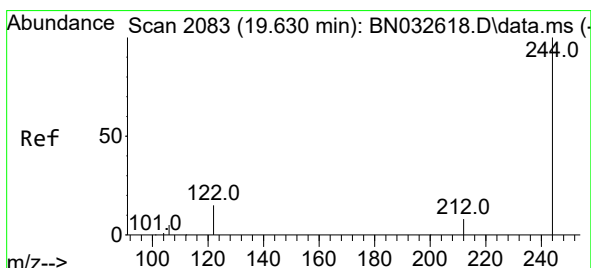
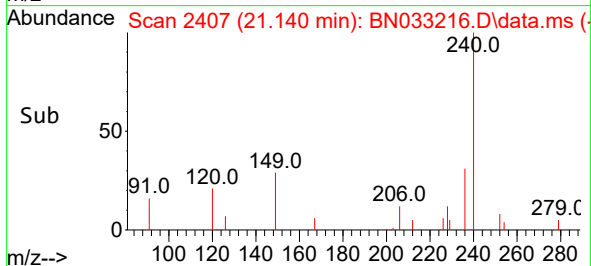
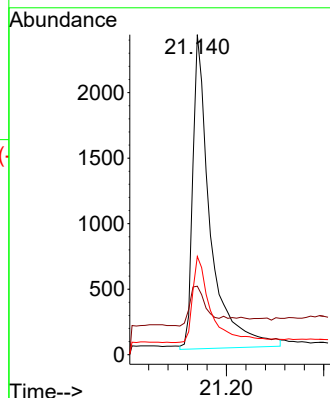
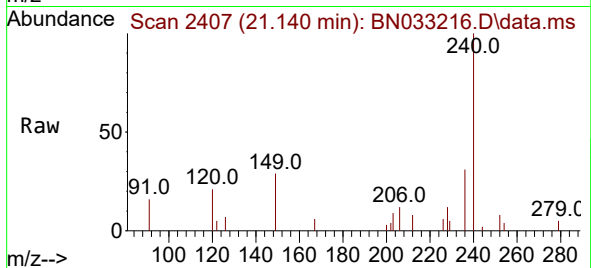
Tgt Ion:240 Resp: 6009

Ion Ratio Lower Upper

240 100

120 21.4 14.8 22.2

236 30.7 23.3 34.9



#31

Terphenyl-d14

Concen: 0.527 ng

RT: 19.552 min Scan# 2079

Delta R.T. -0.012 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

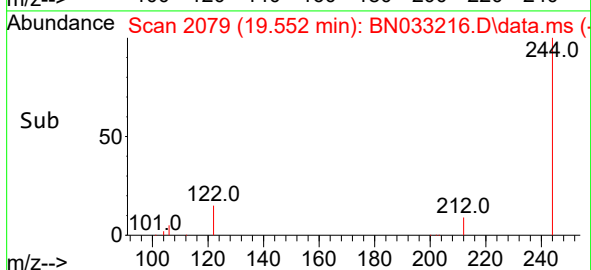
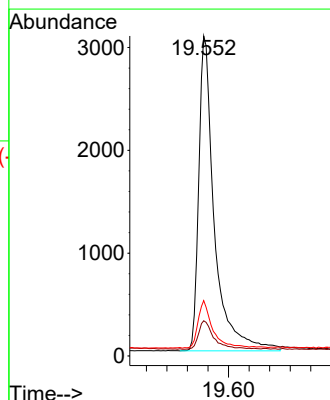
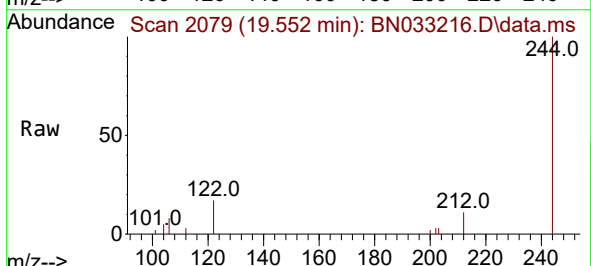
Tgt Ion:244 Resp: 6493

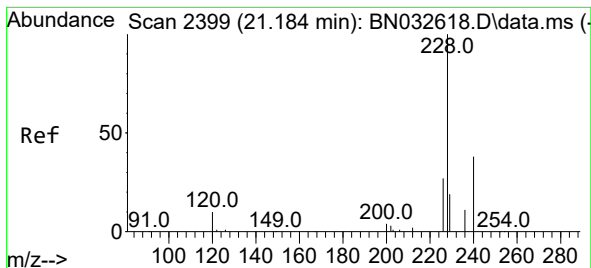
Ion Ratio Lower Upper

244 100

212 11.0 7.5 11.3

122 17.3 12.6 19.0





#32

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.131 min Scan# 2410

Delta R.T. 0.007 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Instrument :

BNA_N

ClientSampleId :

MLS-15-70-85

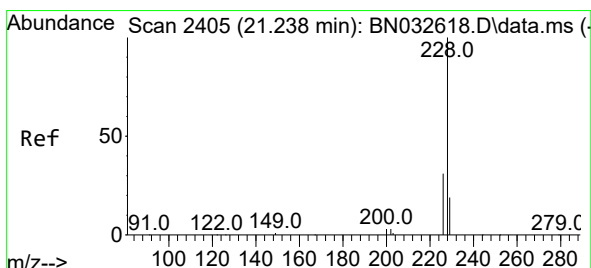
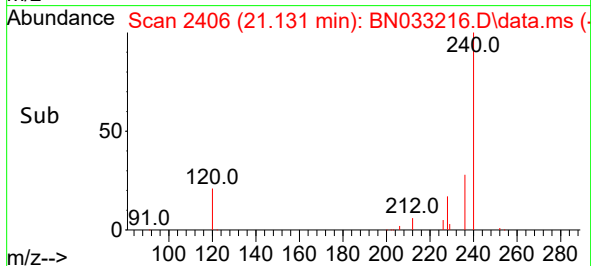
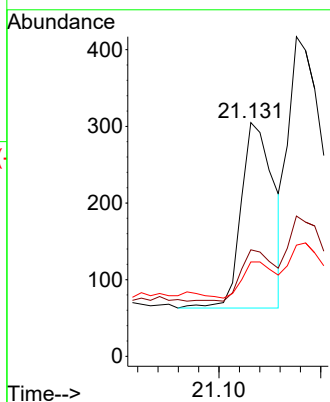
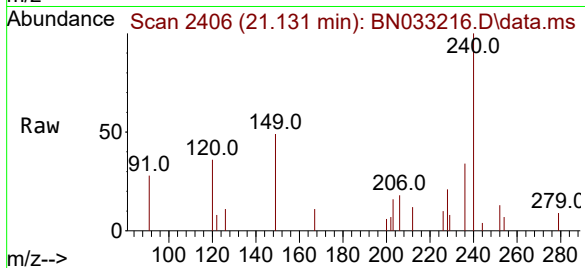
Tgt Ion:228 Resp: 537

Ion Ratio Lower Upper

228 100

226 45.6 21.8 32.6#

229 40.3 16.0 24.0#



#33

Chrysene

Concen: 0.039 ng

RT: 21.176 min Scan# 2411

Delta R.T. 0.007 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

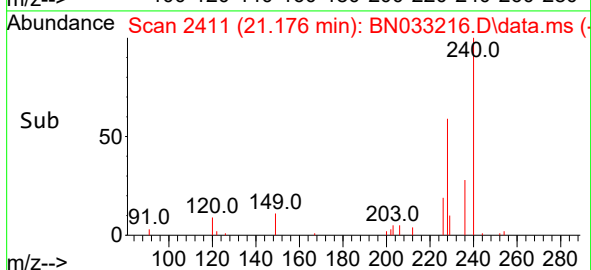
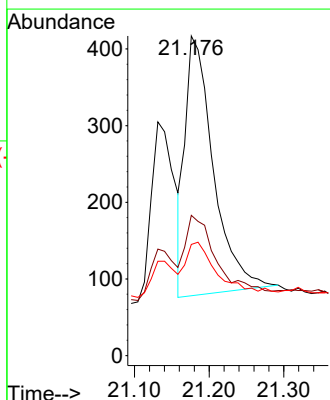
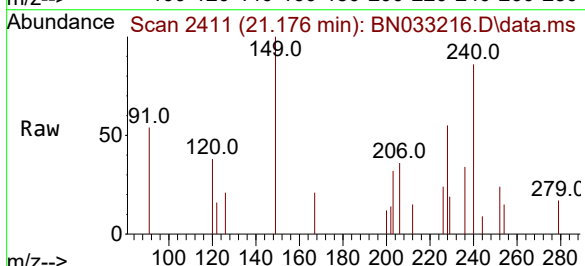
Tgt Ion:228 Resp: 885

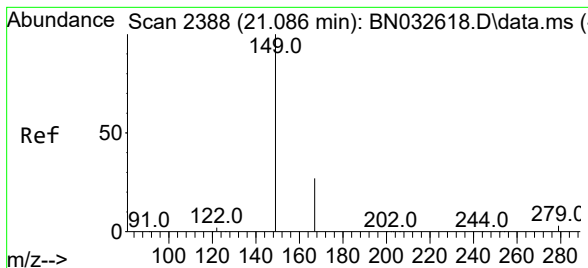
Ion Ratio Lower Upper

228 100

226 43.9 24.2 36.2#

229 34.8 16.0 24.0#

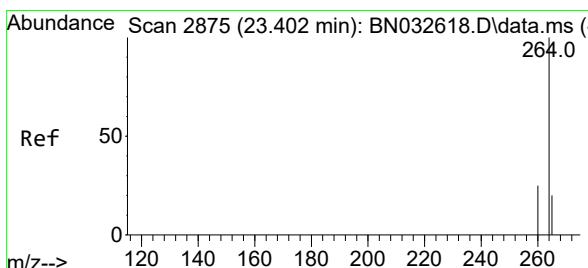
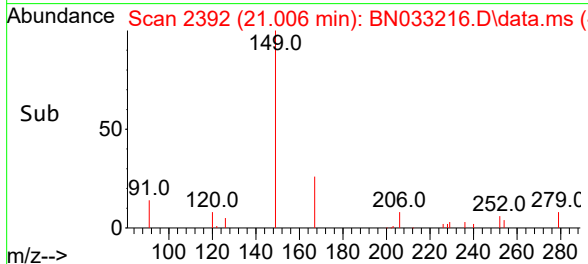
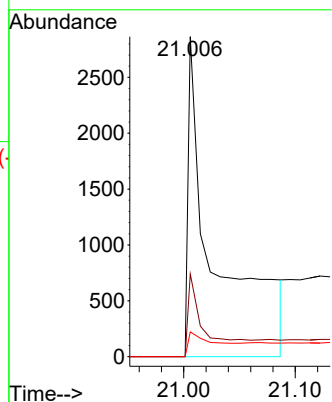
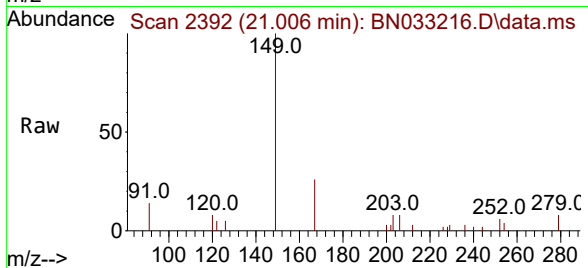




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.448 ng
RT: 21.006 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

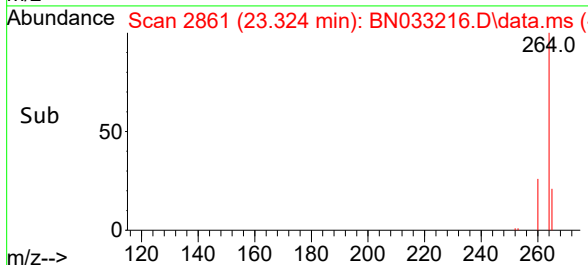
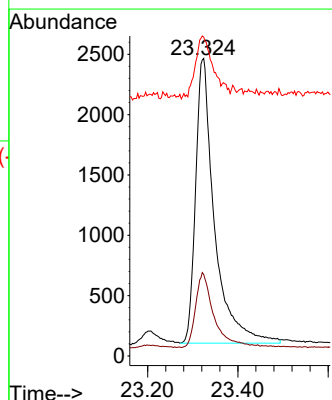
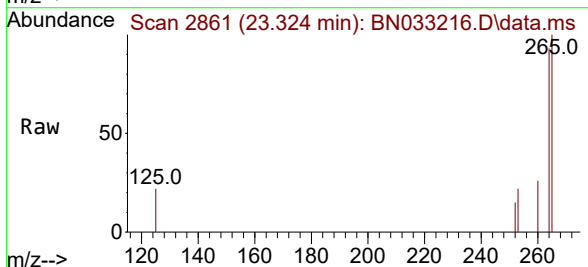
Instrument :
BNA_N
ClientSampleId :
MLS-15-70-85

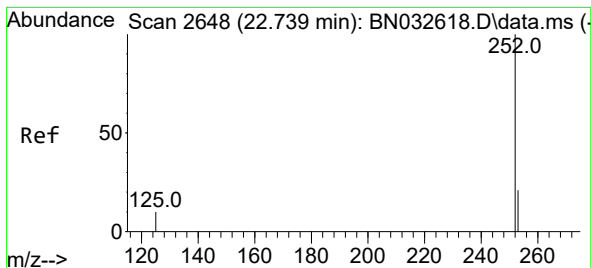
Tgt Ion:149 Resp: 4708
Ion Ratio Lower Upper
149 100
167 18.0 21.4 32.2#
279 7.3 2.8 4.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.324 min Scan# 2861
Delta R.T. 0.010 min
Lab File: BN033216.D
Acq: 03 Aug 2024 00:02

Tgt Ion:264 Resp: 6853
Ion Ratio Lower Upper
264 100
260 27.3 20.9 31.3
265 107.1 85.4 128.2





#37

Benzo(b)fluoranthene

Concen: 0.035 ng

RT: 22.678 min Scan# 2640

Delta R.T. 0.018 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Instrument :

BNA_N

ClientSampleId :

MLS-15-70-85

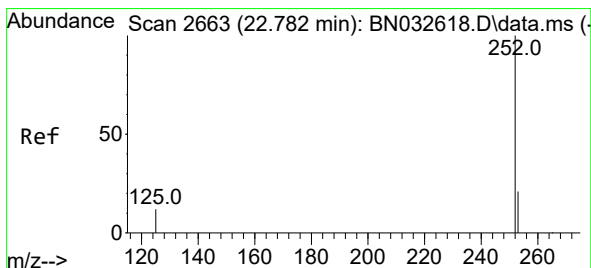
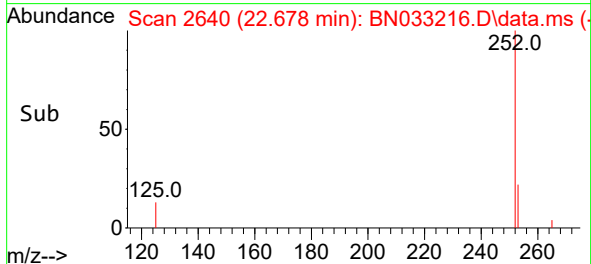
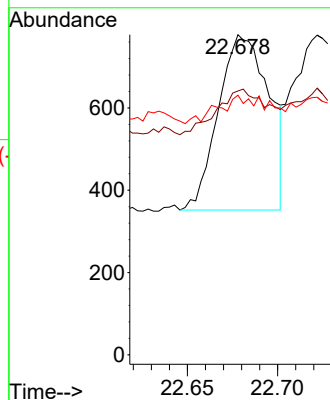
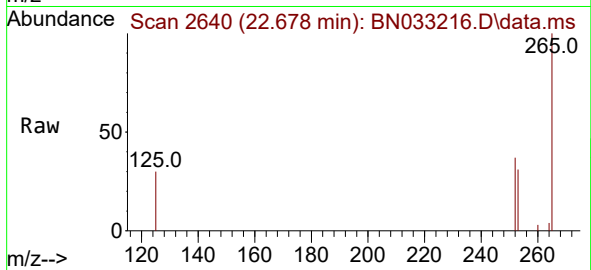
Tgt Ion:252 Resp: 831

Ion Ratio Lower Upper

252 100

253 82.4 22.3 33.5#

125 81.1 15.4 23.2#



#38

Benzo(k)fluoranthene

Concen: 0.037 ng

RT: 22.722 min Scan# 2655

Delta R.T. 0.018 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

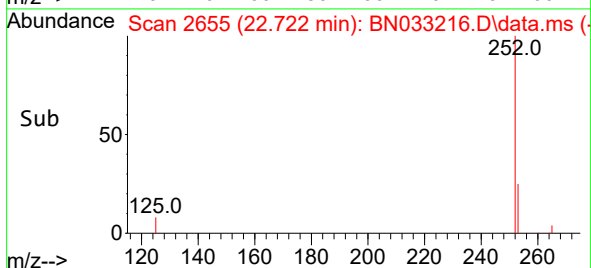
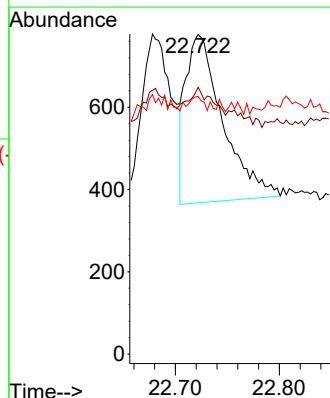
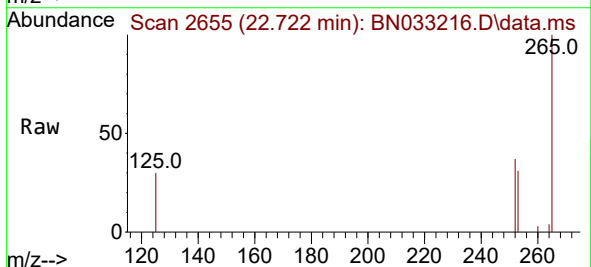
Tgt Ion:252 Resp: 1010

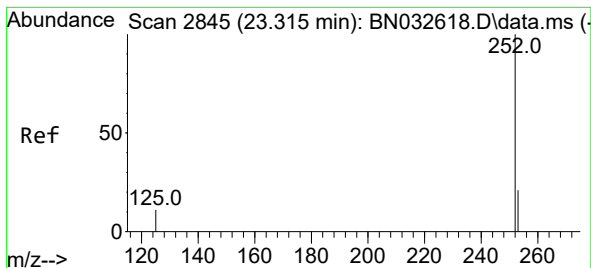
Ion Ratio Lower Upper

252 100

253 83.4 22.6 34.0#

125 80.6 16.2 24.4#





#39

Benzo(a)pyrene

Concen: 0.026 ng

RT: 23.248 min Scan# 21

Delta R.T. 0.024 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Instrument :

BNA_N

ClientSampleId :

MLS-15-70-85

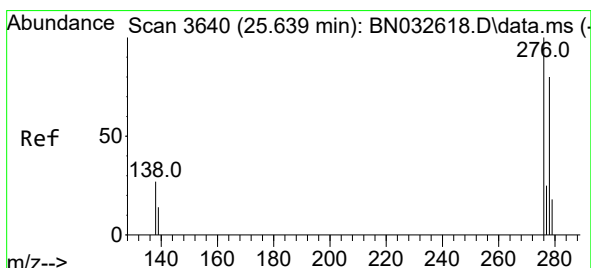
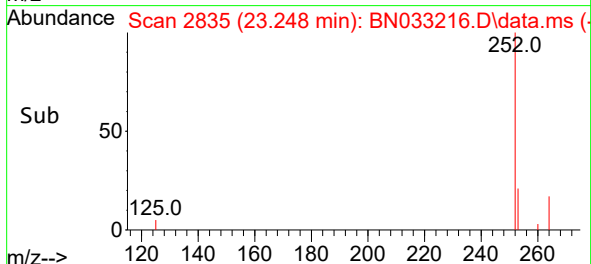
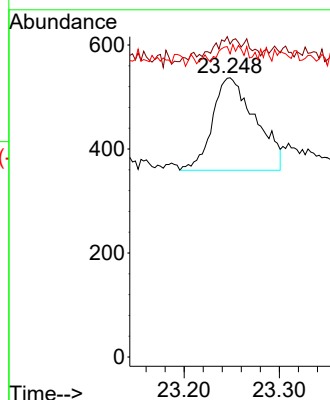
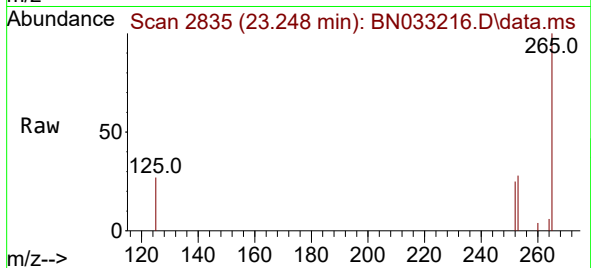
Tgt Ion:252 Resp: 560

Ion Ratio Lower Upper

252 100

253 112.1 25.8 38.8#

125 108.6 21.4 32.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 25.546 min Scan# 3621

Delta R.T. 0.039 min

Lab File: BN033216.D

Acq: 03 Aug 2024 00:02

Tgt Ion:278 Resp: 751

Ion Ratio Lower Upper

278 100

139 67.5 16.7 25.1#

279 107.2 24.3 36.5#

